

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-096328

(43)Date of publication of application : 12.04.1996

(51)Int.Cl.

G11B 5/39

(21)Application number : 06-228501

(71)Applicant : SUMITOMO METAL IND LTD

(22)Date of filing : 22.09.1994

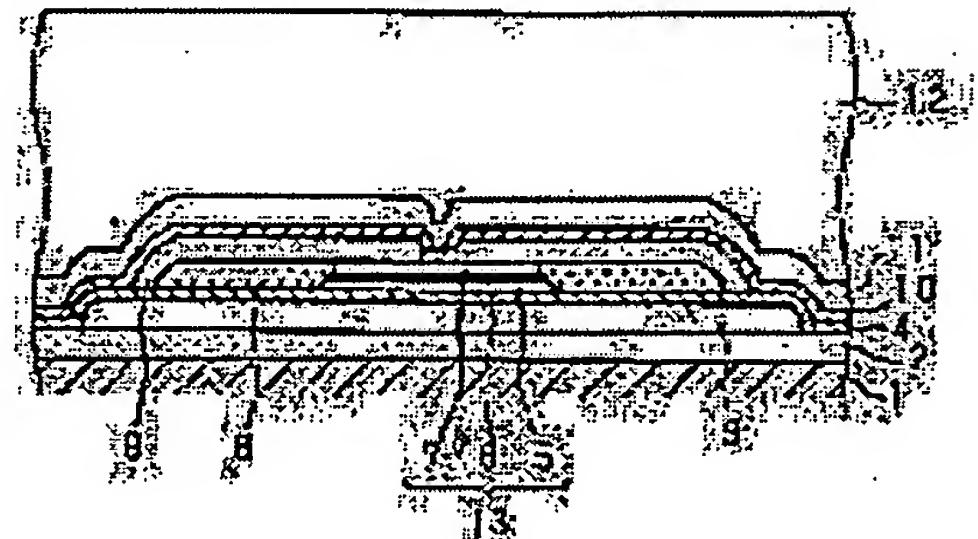
(72)Inventor : NAGAI HIDEYASU

(54) MAGNETORESISTIVE EFFECT THIN FILM MAGNETIC HEAD AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To obtain a magnetoresistive effect thin film magnetic head with which an improvement in S/N and reduction of electrical shortening are possible and a process for production of this head.

CONSTITUTION: A three-layered MR film 13 including a soft bias film 5 (0.02 μ m), a nonmagnetic separating film 6 (0.01 μ m) and an MR film 7 (0.02 μ m) is laminated on a lower electromagnetical insulating film 4. Ferromagnetic films 8, 8 (0.05 μ m) are formed on both sides thereof. Both ends of the three-layered MR film 13 are tapered and the ends of the ferromagnetic films 8, 8 in contact with the three-layered MR film 13 are reversely tapered. Electrodes 9, 9 are formed in the state of covering the ferromagnetic films 8, 8 exclusive of the central part of the three-layered MR film 13 and an upper shielding film 11 is formed thereon via an upper electromagnetical insulating film 10.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]